

20010206.ba v03\_n096.bam.20010206

>From ???@??? Tue Feb 6 20:50:43 2001 -0600  
Message-Id: <200102070250.f172oP0T001659@sco.theporch.com>  
Date: Tue, 6 Feb 2001 20:49:42 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3096

BOATANCHORS Digest 3096

Topics covered in this issue include:

- 1) cathode bypass caps for audio stages  
by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 2) Re: cathode bypass caps for audio stages  
by Bob Roehrig <broehrig@admin.aurora.edu>
- 3) National Radios  
by W0EOM@aol.com
- 4) Re: trouble shooting a modulator...power resistor as AF load?  
by Arden Allen <gumbear@pacbell.net>
- 5) Neat Book  
by "Bob Nickels" <ranickel@mwci.net>
- 6) NC-183D V12 tube?  
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 7) Re: National Radios  
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>
- 8) Re: SX42 hum & resto, hum jobs in general  
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 9) FS: Bristol Wrench Sets  
by JONWEINER@aol.com
- 10) RE: National Radios  
by Merz Donald S <merz.ds@mellon.com>
- 11) T5 Audio xfmr for 75A4  
by Robert Kemp <rkemp@mr.net>
- 12) \*Bay Follies  
by Merz Donald S <merz.ds@mellon.com>
- 13) Re: trouble shooting a modulator...power resistor as AF load?  
by W7QH0@aol.com
- 14) Re: SX42 hum & resto, hum jobs in general  
by Arden Allen <gumbear@pacbell.net>
- 15) Re: \*Bay Follies  
by Dave Hollander <davidh@getnet.com>
- 16) Need  
by KB9VU@aol.com
- 17) Re: T5 Audio xfmr for 75A4  
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 18) Re: SX42 hum & resto, hum jobs in general

- by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 19) FW: \*Bay Follies  
by Merz Donald S <merz.ds@mellon.com>
- 20) Re SP-600  
by philip mccooy <dgnova@erols.com>
- 21) Re: trouble shooting a modulator...power resistor as AF load?  
by Edward J Knobloch <k4pf@juno.com>
- 22) Re: Re SP-600  
by "anchor" <anchor@ec.rr.com>
- 23) Re: [Collins] FS: Bristol Wrench Sets  
by "knepper" <knepper@lenzlink.net>
- 24) Re: [Collins] FS: Bristol Wrench Sets  
by JONWEINER@aol.com
- 25) Re: Re SP-600  
by Arden Allen <gumbear@pacbell.net>
- 26) Re: Re SP-600  
by "Grant Youngman" <nq5t@home.com>

-----  
Date: Mon, 05 Feb 2001 16:03:51 -0700 (MST)  
From: Richard Loken <richardlo@devax.admin.athabascau.ca>  
Subject: cathode bypass caps for audio stages  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id:  
<Pine.PMDF.3.95.1010205153806.541105322H-1000000@devax.admin.athabascau.ca>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII

I must needs replace the 10uF cathode bypace electrolytic on the audio output tube in a Heathquilt GR-54 that I am trying to restore.

I don't have any 10uF elctrolytics suitable to the task but I do have a few 22uf solid tantilums with an adaquate voltage rating lying about. Any reason to avoid doubling the value of such a capacitor and using a tantalum instead?

It seems to me that a 22uf solid tantalum would be at least as friendly to AF as the 10 uf electrolytic - much more friendly in fact. Is their such a thing as too much bypass in this application?

---

Richard Loken VE6BSV, Systems Programmer - VMS  
Athabasca University  
Athabasca, Alberta Canada  
\*\* richardlo@admin.athabascau.ca \*\*

-----  
Date: Mon, 5 Feb 2001 18:37:05 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>

cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: cathode bypass caps for audio stages  
Message-ID: <Pine.OSF.4.31.0102051836070.22805-100000@admin.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 5 Feb 2001, Richard Loken wrote:

> I don't have any 10uF elctrolytics suitable to the task but I do have a few  
> 22uf solid tantilums with an adaquate voltage rating lying about. Any reason  
> to avoid doubling the value of such a capacitor and using a tantalum instead?

Go for it - should not be a problem. Those caps usually had a +80, -20  
percent tolerance anyway.

"Nostalgia is a thing of the past"  
E-mail: broehrig@admin.aurora.edu or k9eui@arrl.net 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-4222  
PLEASE PUT ALL REPLIES IN ASCII TEXT ONLY

-----  
From: W0EOM@aol.com  
Message-ID: <13.1110a69d.27b0acc2@aol.com>  
Date: Mon, 5 Feb 2001 20:26:26 EST  
Subject: National Radios  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Is there a price guide for the early sets?

I have a chance to bid on, if they are still there, an SW-3, FB-7, SW-5 and  
HRO., plus speaker and power supplies.

its the first time that i have seen SW-3 coils in original boxes.

Will

-----  
Date: Mon, 05 Feb 2001 18:08:28 -0800  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: trouble shooting a modulator...power resistor as AF load?  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0G8B00BT5CGTQT@mta5.snfc21.pbi.net>  
MIME-version: 1.0

Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi John;

> .....If this is a particularly dumb question, I plead guilty.

Nope. Good question. This is the smart way to test and troubleshoot a modulator. Same as testing an audio amp. No blown speaker. No blown final. The exact value of resistance is not critical as long as it presents a load that approximates final amplifier operating conditions.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-ID: <003f01c08ffc\$3e1a1080\$0101a8c0@hppav>  
From: "Bob Nickels" <ranickel@mwci.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Neat Book  
Date: Mon, 5 Feb 2001 23:10:49 -0600  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A new book arrived today - "The Impoverished Radio Experimenter" by Lindsay Publications. Rather than a re-print of out-of-print material, this is a 50 page compilation of old articles and thrifty homebrewing ideas from Lindsay himself, including "Substituting Rare Vacuum Tubes with Modern Varieties", "Tube Numbering System", and "Low Power Tube Experimenters Power Supply". At \$5.95 it's a must-have, and can be ordered from [www.lindsaybks.com](http://www.lindsaybks.com) or from the info in any of the wonderful Lindsay catalogs.

This is "Vol. 1", and I'm hoping lots of folks will buy a copy so he'll produce Vol. 2 and more!

73, Bob W9RAN

-----  
Message-Id: <3.0.5.32.20010206111549.00812100@pop.ctv.es>  
Date: Tue, 06 Feb 2001 11:15:49 +0100  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
Subject: NC-183D V12 tube?  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello!

I am in doubt with a tube in my NC-183D... In the manual I got from BAMA (great resource!), it says 'V12 6J5'. Well, in my unit, V12 socket (and most of other sockets and chassis around them) was completely covered by transformer tar. As you know, I have been able to get rid of it but I recall that while doing it, close to V12 there was something written and it was definitely NOT 6J5, but something like 6SG7G... unfortunately, then I was not aware of the tube V12 should be and, as it was not same paint as the other tube types (it was as stamped with blue ink), I wiped it out without writting it down, thinking the info was in the manual. Wrong move :-( !!!

So, please, could you check your NC-183D manuals or rigs and let me know if V12 is any other tube than 6J5?

BTW, in the chassis, under the tar, I discovered this engraved text (actually only the number is engraved): SER NO. 475 0032 . It is close the 0B2 regulator tube. Is it the serial number of my unit?. Any info I can extract?. A wild guess could be: 47:1947, 5:may, 0032:32th produced rig.

What a wonderful hobby :-)!

Thanks for your help,

JOSE

-----  
73 EB5AGV / EC5AAU - JOSE V. GAVILA  
La Canyada - Valencia (SPAIN)

EB5AGV Vintage Radio Site: <http://www.geocities.com/eb5agv>

European Boatanchors List: [http://www.eGroups.com/list/euro\\_ba\\_swap](http://www.eGroups.com/list/euro_ba_swap)

-----  
Message-Id: <4.3.2.7.0.20010206062355.00c61910@postoffice.worldnet.att.net>  
Date: Tue, 06 Feb 2001 06:28:08 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>  
Subject: Re: National Radios  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:26 PM 2/5/2001 -0500, W0EOM@aol.com wrote:

>Is there a price guide for the early sets?

> I have a chance to bid on, if they are still there, an SW-3, FB-7, SW-5 and  
>HR0.,plus speaker and power supplies.

>

>its the first time that i have seen SW-3 coils in original boxes.

>  
>Will

Hi Will,

I hope you get them. In good shape the \$300 range is OK on each of them. The HRO with speaker might be worth more due to the speaker. Coils with each of the others add value. Of course, try for less.

The big thing is - what is it worth to you? What can you afford and will that radio make you happy?

And don't worry, we all pay too much once in a while.

73' John

-----  
Date: Tue, 6 Feb 2001 06:58:49 -0500 (EST)  
From: "Marty's Refl. Drop" <polepeeeg@aaa4rm.ba-watch.org>  
Message-Id: <200102061158.GAA04094@aaa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: SX42 hum & resto, hum jobs in general

Since the SX42 case in point had a complete internal condenser transplant, leaky interstage audio coupling causing excessive final audio current pull isn't likely.

Mebbe the SX42 was just built to a price.

Now I support the Arden stmt on big input-C being hard on rectifiers. At least harder. And yup on "bigger-C, bad-form"

Comes now the Q about "where does hum come from anyhow." The power company of course. Oh ha.

The C in a filter "raises the trough" in the "pulsating DC" output of the rectifier. Nothing more, nothing less.

The heavier the load, the more the C is discharged between pulses.

Hence that's why audio outputs with bad coupling caps hum. Pulsating DC troughs pulled down 'cause extra current draw from positive audio-out grid.

And if you're a shotgunner, changing the cap that goes to pin 5 of an octal audio out is often enuf to kill that effect.

Now I don't pretend to know on SX42-at-hand. But on that SX42... I'm

a huge sucker for "faded glory" examples like that.

Good save Mr. Restorer.

-----  
From: JONWEINER@aol.com  
Message-ID: <8d.209a527.27b150cc@aol.com>  
Date: Tue, 6 Feb 2001 08:06:20 EST  
Subject: FS: Bristol Wrench Sets  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I have for sale several 10 piece sets of Bristol wrenches. These are "L" shaped, made in the USA, and cover all sizes used in Collins, Hallicrafters, Johnson, and other equipment. Sets come in a fitted snap closure vinyl pouch. Price \$22. in USA, \$24. foreign, postpaid.

Jon, K1VVC

-----  
Message-ID: <20010206143422.9494.qmail@mellon.com>  
From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: National Radios  
Date: Tue, 6 Feb 2001 09:28:53 -0500  
MIME-Version: 1.0  
Content-Type: text/plain

Opinions vary. Maybe a bit more detail works.  
The radios themselves are worth about \$300 in good shape. Doghouse power supplies add \$100. Speaker add \$90. SW-3, SW-5 and FB-7 coil sets by themselves are worth \$30 - \$50 each depending on the band. Bandspread coils are worth more - 160M bandspread coils are worth about \$100. If the FB-7 is the XA model, add \$150. If the HRO is a pearl button model, add \$150.  
Good luck.  
73, Don Merz, N3RHT

> -----Original Message-----  
> From: John Dilks, K2TQN [SMTP:oldradio@worldnet.att.net]  
> Sent: Tuesday, February 06, 2001 6:28 AM  
> To: Old Tube Radios  
> Subject: Re: National Radios  
>  
> At 08:26 PM 2/5/2001 -0500, W0EOM@aol.com wrote:  
> >Is there a price guide for the early sets?  
> > I have a chance to bid on, if they are still there, an SW-3, FB-7, SW-5

> and  
> >HRO.,plus speaker and power supplies.  
> >  
> >its the first time that i have seen SW-3 coils in original boxes.  
> >  
> >Will  
>  
> Hi Will,  
>  
> I hope you get them. In good shape the \$300 range is OK on each of  
> them. The HRO with speaker might be worth more due to the speaker. Coils  
>  
> with each of the others add value. Of course, try for less.  
>  
> The big thing is - what is it worth to you? What can you afford and  
> will that radio make you happy?  
>  
> And don't worry, we all pay too much once in a while.  
>  
> 73' John

\*\*\*\*\*  
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-----  
Message-ID: <3A800E00.40827165@mr.net>  
Date: Tue, 06 Feb 2001 08:45:20 -0600  
From: Robert Kemp <rkemp@mr.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: T5 Audio xfmr for 75A4  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone have one of these or a good replacement?  
Don't want to go the surplus sales route if I can avoid it.  
Bob.

-----  
Message-ID: <20010206172339.23638.qmail@mellon.com>  
From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: \*Bay Follies  
Date: Tue, 6 Feb 2001 12:18:05 -0500  
MIME-Version: 1.0



Content-Type: text/plain

The insanity is mutating. It drives me crazy that eBay sellers do not need to know anything about what they are selling. And it makes me crazier that if something will fetch more money sold in pieces, then it is sold in pieces. Look at this AF67:

> eBay # 1212297913 and 1212296373.

>

with manual sold separately! I saw an HRO 60 on eBay last month that had the radio, coil sets and manual listed separately. I'm surprised it didn't dawn on the mercenary to sell each coil set separately. Even so, the coil sets alone brought \$400.

Egads.

73, Don Merz, N3RHT

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-----  
From: W7QHO@aol.com  
Message-ID: <c.10e6254d.27b18c9e@aol.com>  
Date: Tue, 6 Feb 2001 12:21:34 EST  
Subject: Re: trouble shooting a modulator...power resistor as AF load?  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

John,

You might want to shunt the resistor with .002 mf or so to simulate the capacitive load your PA would represent.

Dennis D. W7QHO  
Glendale, CA

-----  
Date: Tue, 06 Feb 2001 09:17:46 -0800  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: SX42 hum & resto, hum jobs in general  
To: Old Tube Radios <boatanchors@theporch.com>

Message-id: <0G8C00EW7IIRW1@mta5.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi Marty;

> Hence that's why audio outputs with bad coupling caps hum. Pulsating  
> DC troughs pulled down 'cause extra current draw from positive  
> audio-out grid.

OK on all up to this. I can only see the tube's increased conduction due to positive grid being enough to do much to increase ripple. Hum is appearing at output more likely by tube conducting so heavily that plate resistance has gone into the basement, i.e., tube not acting like a \*current sink\* anymore so ripple is really felt on primary of output transformer.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-ID: <3A804A76.27377913@getnet.com>  
Date: Tue, 06 Feb 2001 19:03:19 +0000  
From: Dave Hollander <davidh@getnet.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: \*Bay Follies  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

What is even worse is that on that AF-67, it is a ham doing it!!!

Dave

--

\*\*\*\*\*

Dave N7RK - Webmaster CADXA  
Phoenix, Arizona \*DXCC Honor Roll\* \*WAZ#23 - 75 Meter SSB\*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor Collector Extraordinaire preferring Hallicrafters, National and what ever else looks interesting!

E-Mail: davidh@getnet.com Home Page: <http://www.getnet.com/~davidh>

Visit the Central Arizona DX Association Home page - <http://cadxa.org>

-----  
From: KB9VU@aol.com  
Message-ID: <bd.b850e8e.27b1ae61@aol.com>  
Date: Tue, 6 Feb 2001 14:45:37 EST  
Subject: Need  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I need a pair of 4CX800A tubes. Pulls are OK as long as they are full output and physically undamaged.

Thanks

Mike, KB9VU

-----  
Date: Tue, 6 Feb 2001 14:46:38 -0500 (EST)  
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>  
Message-Id: <200102061946.0AA04664@aa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: T5 Audio xfmr for 75A4

-put an output xfmr outa a AA5 ac-dc radio under chassis. Oceans of room in 'A4.

My 32S3 has one in the spkr box since under-chassis packed.

This is a <\$1 fix who's 'lil Z mis-match & audio performance can't be told from an ultra-ultra real thing. But if too klutzy, 'scusa me

-----  
Date: Tue, 6 Feb 2001 14:52:09 -0500 (EST)  
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>  
Message-Id: <200102061952.0AA04680@aa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: SX42 hum & resto, hum jobs in general

Arden:

u sed > pos. grid: hum from more output xfmr primary current

Naaaaaaah

increased load reduces C's ability to hold up "troughs" which drop more between each rectifier conduction pulse. Or, equivocally, ripple increased

there - sed it two other ways

-----  
Message-ID: <20010206212008.5106.qmail@mellon.com>  
From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FW: \*Bay Follies  
Date: Tue, 6 Feb 2001 16:14:35 -0500  
MIME-Version: 1.0  
Content-Type: text/plain

> Insanity aside, eBay does have the occasional bargain from  
> the seller who fails to list his item in the correct category  
> or describe it properly.  
> 73, Phil  
>  
> Yes, and another good point is that eBay exposes things that are thought  
> to be "rare" when a lot of them show up for sale. Examples: QST from the  
> 20's and 30's, oscilloscopes and anything made by Heathkit.  
>  
> 73, Don Merz, N3RHT  
>

\*\*\*\*\*  
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-----  
Message-ID: <3A806AE9.94287C4B@erols.com>  
Date: Tue, 06 Feb 2001 16:21:45 -0500  
From: philip mccoey <dgnova@erols.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re SP-600  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone have any experience on aligning the RF section of the hammerlund SP-600. There are holes marked C and L, but I can't see any trimmers to adjust

Phil dgnova@erols.com

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Tue, 6 Feb 2001 17:09:16 -0500  
Subject: Re: trouble shooting a modulator...power resistor as AF load?  
Message-ID: <20010206.170918.-813779.1.k4pf@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: Edward J Knobloch <k4pf@juno.com>

Hi,

>John, johnmb@mindspring.com, was considering  
>using a light bulb to test the modulator output  
>of his Globe King, without the rf deck.

If you go the light bulb route, you will need  
to series string a whole bunch of bulbs to get the right  
voltage and power. The peak output voltage of the modulator  
transformer equals the final amplifier dc at 100 percent modulation.  
Therefore, for a 2000VDC final, you would need around 12 "125V" lamps.  
(rms = 0.707 times peak voltage)

For 500W total, that would be 12 each 40W lamps in series.

That would be fun to watch light up!

73,  
Ed k4pf@juno.com

-----  
Message-ID: <01b001c0908e\$f0f7c7a0\$6401a8c0@ec.rr.com>  
From: "anchor" <anchor@ec.rr.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Re SP-600  
Date: Tue, 6 Feb 2001 17:48:36 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Hi Phil,

Working on an SP-600 is a labor of love. And it helps to know how it's  
made. The manual helps some on that, the maintenance manuals do it in detail.

And having reworked one is the best way to understand them, if done with the right frame of mind (inquiring), and with constant referral to the schematic.

You're trying to work on the segments in the turret, which rotate/change with the bandswitch. The adjustments that you want are in about 2 inches, you need a long thin plastic tool with a thin flat screwdriver tip. It must fit down thru the RF deck, into the turret, thru abt 1/4" wide openings. If someone who didn't know what he was doing did a re-cap on the RF deck, he may have blocked the access with new components.

If done meticulously, you can get the beauty tracking excellently with good dial calibration.

Enjoy it. There are a few websites with good info on them, take a look at mine, I've been meaning to link to others, haven't done it yet.

73,

Al, W8UT

New Bern, NC

BoatAnchors appreciated here

anchor@ec.rr.com

<http://www.thecompendium.net/radio/>

And remember; "-They don't make tubes nowadays like they used to..."

=====

----- Original Message -----

From: "philip mccoey" <dgnova@erols.com>

> Anyone have any experience on aligning the RF section of  
> the hammerlund SP-600. There are holes marked C and L,  
> but I can't see any trimmers to adjust

>

> Phil dgnova@erols.com

>

>

-----  
Message-ID: <001401c0909f\$e79d0100\$02000003@knepper>

From: "knepper" <knepper@lenzlink.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: [Collins] FS: Bristol Wrench Sets

Date: Tue, 6 Feb 2001 19:50:00 -0500

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Endorsed by the Collins Radio Association and listed on its website.

Max-Gain Systems, Inc. <http://www.mgs4u.com>

Max-Gain Systems, Inc. is a full line dealer for

the Bristol Wrench Company. Genuine, US made  
Bristol 9 piece L-wrench sets, containing every  
Bristol/spline wrench the Collins enthusiast is  
ever likely to need are available for \$13.95 plus  
\$2 shipping, \$3 worldwide! MGS also carries a  
full line of fiberglass tube and rod.

David Knepper, W3ST  
Publisher of the Collins Journal  
Secretary to the Collins Radio Association  
<http://www.collinsra.com>  
Sign-up for the mail list: go to [www.qth.net](http://www.qth.net)

-----Original Message-----

From: Keller <k2112@earthlink.net>  
To: baswaplist@foothill.net <baswaplist@foothill.net>;  
boatanchors@theporch.com <boatanchors@theporch.com>; COLLINS@listserv.com  
<COLLINS@listserv.com>; collins@qth.net <collins@qth.net>; drake@qth.net  
<drake@qth.net>; hallicrafters@qth.net <hallicrafters@qth.net>  
Date: Tuesday, February 06, 2001 3:40 PM  
Subject: Fwd: Re: [Collins] FS: Bristol Wrench Sets

>  
>>Date: Tue, 06 Feb 2001 14:11:48 -0500  
>>From: Ken Potter <kpotter@greenepa.net>  
>>Reply-To: kpotter@greenepa.net

>>X-Mailer: Mozilla 4.7 [en] (Win98; U)  
>>X-Accept-Language: en  
>>To: Keller <k2112@earthlink.net>  
>>Subject: Re: [Collins] FS: Bristol Wrench Sets  
>>  
>>Here is where I got my set. \$13.95, +\$2.00 shipping. They are made in  
>>the USA, by Bristol.  
>>  
>>Ken, WW3KP  
>>  
>><http://www.mgs4u.com/>  
>>  
>>  
>  
>  
>  
>  
>--  
>Submissions collins@qth.net  
>--  
>Sponsored by the Collins Radio Association  
><http://www.collinsra.com>

-----  
From: JONWEINER@aol.com  
Message-ID: <4e.1125fd8f.27b1f7df@aol.com>  
Date: Tue, 6 Feb 2001 19:59:11 EST  
Subject: Re: [Collins] FS: Bristol Wrench Sets  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Those are 9 piece small size sets and DO NOT include all the sizes necessary  
for Collins equipment.

Jon

-----  
Date: Tue, 06 Feb 2001 16:55:39 -0800  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: Re SP-600  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0G8D00BD13PQT3@mta5.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi Phil;



> Anyone have any experience on aligning the RF section of  
> the hammerlund SP-600. There are holes marked C and L,  
> but I can't see any trimmers to adjust

They ARE there. Need a strong light and long pokey alignment tools. Be careful.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
From: "Grant Youngman" <nq5t@home.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Tue, 6 Feb 2001 20:49:07 -0600  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Subject: Re: Re SP-600  
Message-ID: <3A806343.28909.4B29354@localhost>

> > Anyone have any experience on aligning the RF section of  
> > the hammerlund SP-600. There are holes marked C and L,  
> > but I can't see any trimmers to adjust  
>  
> They ARE there. Need a strong light and long pokey alignment tools. Be  
> careful.

As someone else suggested, non-metallic alignment tools are best -- plastic (very hard plastic) or ceramic -- to eliminate detuning caused by the adjustment tool's proximity to the tuned circuit. But I purchased an expensive set of ceramic tools specifically for my SP-600, only to discover that the blades weren't long enough to reach :-(

If you use plastic, the anti-static variety (typically black in color) will also cause detuning because of the conductive material in the plastic.

I finally gave up on all the plastic and ceramic and just use a plain, thin-blade metal screwdriver. It WILL cause detuning of the very tuned circuits you're trying to adjust. But you can easily compensate. As I recall, most of the problem occurs when setting the capacitor at the high end of each band.

After adjusting the cap or coil slug for zero-beat at whatever frequency you're setting, remove the screwdriver and make note of the direction and amount of the shift in frequency. Re-insert the screwdriver, and make your adjustment to get about the same amount of shift in the OPPOSITE direction. Then when you remove the tool, the radio should settle in very

close to zero-beat with your generator. With a little practice, you will be able to compensate easily. On the lower bands, you should still be able to hear the BFO and the compensation is easy. On the higher bands, some estimating and experimentation may be necessary, but a little practice is all it will take.

The other advantage of using metal is that the slot in the coil slug lead and the cap adjustment screwhead can be tricky to find, and may be a bit stiff. You have to locate them by feel since there's no way to see. I always found most plastic tools a little too soft to work well.

In any case, just remember that this is not a radio with 10Hz dial precision, and the width of the hairline covers a lot of ground on some bands -- so shooting for absolute perfection is overkill anyway.

Enjoy ... Grant

-----  
Grant Youngman / NQ5T  
nq5t@home.com  
<http://www.globeking.com>  
Double Oak, TX -- nr Dallas

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End of BOATANCHORS Digest 3096  
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